



Rush
Assessor

GIS

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June 8, 2004

Mr. Dwight Sweet, President
Rush County Commissioner
c/o The Auditor's Office
101 E 2nd Street
Rushville, IN 46173

Re: GIS Conversion Services Contract

Dear Mr. Sweet:

On behalf of all employee owners at The Sidwell Company, I thank you for the recent contract amendment to provide Farmland Assessment services to Rush County. For your convenience, I have enclosed the county's original copy of the fully executed amendment with a copy of this letter to the Assessor's Office. Mr. Neal Carpenter, our Executive Vice President, is the contractual Project Manager for Sidwell on this project. In addition, Mr. Brad Wright is the Project Manager assigned to Rush County for all project coordination and on-site project activities. While you and County staff are always welcome to contact me directly, I encourage direct contact with Neal or Brad for project specific questions. I have included their business cards with this letter for your reference.

I realize that you and your fellow commissioners are placing a great deal of trust in our company to enhance the county's GIS investment. That trust is not something we take for granted and we understand it is something we must earn everyday. I give you the pledge of every employee-owner at Sidwell that all efforts will be made to ensure that your trust remains well-placed. I extend to you and the other elected officials and staff an open invitation to visit us anytime you or they are in the Chicago area. We would be honored to have you as our guests. Thank you again for your confidence in our ability to meet the County's ongoing needs.

Sincerely,

Timothy C. Hopkins
President

Enclosure

Cc: Jo Ann Herbert
J. West
N. Carpenter
B. Wright
S. McBride

THE SIDWELL COMPANY
GIS & Mapping Solutions

CONTRACT AMENDMENT

for

A FARMS (Farmland Assessment & Report Management System) Project

Court House, Rushville, Ind.



between

RUSH COUNTY, INDIANA



Contract Amendment

INTRODUCTION

This document is an amendment to the contract between Rush County, Indiana, and The Sidwell Company, dated December 17, 2001, for Professional Aerial Photography, Digital Orthophotography and GIS Services.

OVERVIEW

Rush County, Indiana entered into a contract in December 2001 with The Sidwell Company for research, design, and development of a contiguous digital cadastral-based geographic information system. Services include aerial photography, digital orthophotography, cadastral data compilation and database production, topological data structuring, new permanent parcel numbering, GIS integration with the tax cycle system, plotting routines, training and technical support services.

The purpose of this contract amendment is to add soils, agricultural land use, and legal drainage data layers to the countywide GIS and provide Sidwell's FARMS (Farmland Assessment & Report Management System) software to support the acreage measurement and assessment of agricultural land. In addition, we will add drainage area polygons and drainage tiles to the GIS.

The FARMS project will leverage the investment that Rush County has made in GIS by utilizing the parcel base and digital orthophotography. Sidwell will be responsible for interpreting and delineating land use boundaries for all agricultural parcels. The land use data will be formatted to overlay the digital orthophoto and cadastral database files. Sidwell will work with the county to develop specific standards for determining how land use categories will be determined from the digital orthophotography.

Once the land use boundaries have been delineated, Sidwell will deliver a draft copy of the land use files for county review. The Rush County Assessor will evaluate Sidwell's interpretation of land usage and identify any changes required to the boundaries and classifications. Sidwell will then modify the land use database to reflect the county's wishes.

FARMS will provide accurate spatial analysis of unique polygons that result by overlaying and intersecting parcels, soils, and agricultural land use. Homesites, drainage buffers, and roads can be withheld from acreage calculations. The FARMS project will replace the Assessor's manual method of drafting parcel splits on paper and determining agricultural land acreage using the "dot-counting" method.

SCOPE OF SERVICES

Sidwell Responsibilities

The Sidwell Company will provide the following professional GIS services and deliveries to Rush County:

Soil Maps

- Acquire large format soil survey maps of Rush County from the USDA with a list of soil type codes and their definition.
- Analog conversion of the soil survey maps to digital form to overlay the GIS parcel database.
- Create polygons of each soil area with the soil type code as an attribute.
- Clean up and confirm topological structuring of the Rush County soil survey.
- Create a digital table of soil codes and definitions to be used by the FARMS program.

Contract Amendment

Agricultural Land Use

- Acquire agricultural land use codes and definitions from the Rush County Assessor.
- Acquire digital data of property record cards of agricultural parcels with land use data from the Rush County Assessor.
- Using the Rush County digital orthophotography and referring to property record card data as a guide, interpret agricultural land use areas from the digital orthophotography.
- Provide draft copy of the land use files for Rush County Assessor's review and make changes to boundaries and classifications per county's instructions.
- Delineate agricultural land use areas as polygons with the land use code as an attribute.
- Clean up and confirm topological structuring of the Rush County agricultural land use polygons.
- Create a digital table of agricultural land use codes and definitions to be used by the FARMS program.

GIS Parcels

- Acquire current GIS cadastral database from the County Auditor.
- Confirm topological structuring of the cadastral database.

Legal Drains

- Acquire paper copies of all current Rush County legal drain maps from the County Surveyor. There are approximately 163 legal drain maps.
- Digitize any legal drain that was not previously data captured as part of the parcel conversion process and is necessary to support farmland assessment with the FARMS software. Attribute legal drains with their name.

FARMS Processing and Software

- Acquire agricultural land productivity index value, debasement codes and values from the County Assessor and input into FARMS program.
- Input acreage tolerance values per instruction by the County Assessor.
- Process all agricultural parcels, approximately 4,131 parcels, in Rush County and compute net acres through to value.
- Provide acreage tolerance and code validation reports.
- One full license of FARMS for ArcGIS including map and report modules.
- Deliver and install FARMS software and FARMS database in shapefile format of Rush County.
- Five days on-site professional services for training or other services.
- 24 months of software support for FARMS.

Rush County Responsibilities

- Provide agricultural land use codes and definitions.
- Provide digital copies of property record cards of agricultural parcels with land use data.
- Provide current GIS cadastral database in MicroStation format.
- Review and identify any changes to land use boundaries and classifications.
- Provide agricultural land productivity index value, debasement codes and values, and acreage tolerance values.
- Provide paper copies of all current legal drain maps, approximately 163 maps.
- Review and identify any changes to legal drains and watershed boundaries.

PROJECT TIMELINE AND PRICE

Completion of the digital conversion of the Rush County soil maps and delineation of agricultural land use areas is dependent upon completion of the countywide cadastral base map which will serve as the foundation for this project. We anticipated that production of the Rush County FARMS project will take about nine months after completion of the cadastre and receipt of all data sources as listed in this document, if this amendment is in place at that time.

Rush County FARMS Project.....\$ 51,440.00

INVOICING POLICY

Rush County will be invoiced on a monthly basis as work progresses. A progress report will accompany each monthly invoice.

This Contract Amendment as heretofore described and governed by the laws of the State of Indiana, made and entered into on this 1st day of June, 2004.

Contract
Amendment

THE SIDWELL COMPANY

By [Signature]
Neal Carpenter, Executive Vice President

NEAL CARPENTER personally
appeared and signed before me as an
officer and agent of said corporation this

7th day of June, 2004

RUSH COUNTY, INDIANA

By [Signature]
Dwight Sweet, President of
Commissioners

By [Signature]
Janet Kile, Commissioner

By [Signature]
Marvin Cole, Commissioner

Notary

[Signature]

Attest

By [Signature]
Mary Ann Beard, Auditor



